

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of

WENGER, F. et al.

Atty. Ref.: 4114-9

Serial No. To be assigned

Group:

Filed: January 05, 2004

Examiner:

For: METHOD AND DEVICE FOR PROVIDING TIMING INFORMATION  
IN A WIRELESS COMMUNICATION SYSTEM

\* \* \* \* \*

January 5, 2004

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Sir:

**INFORMATION DISCLOSURE STATEMENT**


As suggested by 37 C.F.R. 1.97, the undersigned attorney brings to the attention of the Patent and Trademark Office the references listed on the attached form PTO-1449, a copy of each of which is enclosed. This is not to be construed as a representation that a search has been made or that no better prior art exists, or that a reference is relevant merely because cited.

The Examiner is requested to initial the attached form PTO-1449 and to return a copy of the initialed document to the undersigned as an indication that the attached references have been considered and made of record.

Respectfully submitted,

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**INFORMATION DISCLOSURE  
CITATION**

ATTY. DOCKET NO.

SERIAL NO.

4114-9

To be assigned

APPLICANT

WENGER, F. et al.

(Use several sheets if necessary)

FILING DATE

GROUP

January 05, 2004

**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,117,441	05/1992	WEIGAND			
	5,251,233	10/1993	LABEDZ ET AL.			
	4,583,048	04/1986	GUMACOS ET AL.			
	5,778,022	07/1998	WALLEY			

**FOREIGN PATENT DOCUMENTS**

DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
97/24819 A	07/1997	WO			

**OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)**

	D'ARIA ET AL; "SYNCHRONIZATION TECHNIQUES AND VITERBI EQUALIZERS FOR TDMA MOBILE RADIO"; Technical Reports-CSELT, Turin, IT, vol. 17, no. 2, 1 April 1989, pages 125-131, XP000575030.
	TAN ET AL; "LOW COMPLEXITY SPREAD SPECTRUM CORRELATOR"; Electronics Letters, IEE Stevenage, GB, vol. 33, no. 14, 3 July 1997, pages 1204-1205, XP000734161.
	CHARLIE CAHN ET AL; "PERFORMANCE IN GAUSSIAN NOISE OF PORPOSED PN SYNC PREAMBLE FOR IEEE 802.16 BROADBAND WIRELESS ACCESS WORKING GROUP, Online, 6 July 2001, pages 1-10, XP002190143.
	R. VAN NEE ET AL; "OFDM WIRELESS MULTIMEDIA COMMUNICATIONS"; 2000, ARTECH House, Boston, XP002190874.
	SPETH ET AL; "FRAME SYNCHRONIZATION OF OFDM SYSTEMS IN FREQUENCY SELECTIVE FADING CHANNELS"; VTC, 1997, Phoenix (mentioned in the appln. text of basic EP patent appln. 01 115 679.1, the PCT appln. text).
	MULLER-WEINFURTNER; "ON THE OPTIMALITY OF METRICS FOR COARSE FRAME SYNCHRONIZATION IN OFDM: A COMPARISON"; PIMRC, 1998, Boston (mentioned in the appln. text of basic EP patent appln. 01 115 679.1, the PCT appln. text).

\*Examiner

Date Considered

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.